BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

TECHNICAL SPECIFICATION FOR PIPE TYPE EARTHING

1.0 This specification is for pipe earthing for transformer, lightning arrestor, body and neutral of distribution transformer centers.

2.0 The number/ configuration of earthing conductor to be run from individual equipments is as detailed below.

(a) Transformer Neutral - [2 Distinct earth level from the bushing to be run in opposite direction & connected to a common earth Electrode]

(b) Transformer Body - The body shall be connected to earth through a pipe earth Electrode.

3.0 Design & Construction

(a) Earthing arrangement shall be as per drawing BESCOM/GM/QS&S/27 Rev-002 Dated:24-11-2018

(b) GI pipe shall be 40 mm. dia 3.2mm thick 2.5 meter long class B conform to IS-1239. Holes to be drilled at spacing of 150 mm. Galvanizing as per IS-5358

(c) The Bolt to be used shall be 12 mm. dia as per IS-6089

4.0 TESTS

4.1 Acceptance test : The following tests shall be done

a) Galvanising test on exposed metal parts.
b) Visual examination and dimensional verification.

4.2 Routine Tests :

a) Visual examination and dimensional verification.

5.0 INSPECTION AND TESTS

All tests and inspection shall generally be made at the place of manufacture. The manufacturer shall afford the inspector (representing BESCOM) all reasonable facilities without charge to satisfy him that the material is supplied in accordance with this specification.

5.1 BESCOM has the right to have the tests carried out at its own cost by an independent agency, if considered necessary.

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